IN THE CLAIMS:

The claims are pending as follows:

1. (Withdrawn) A hybridization reaction method, comprising the steps of:

dropping a sample solution containing a sample biopolymer on a cover glass; and placing a slide glass having a probe biopolymer fixed thereon on the cover glass with the fixed probe biopolymer facing down.

2. (Withdrawn) A hybridization reaction method according to claim 1, further comprising a step of placing the cover glass on a silicone sheet prior to the step of dropping the sample solution.

3. (Currently Amended) A hybridization kit ~~device~~, comprising:

a tray provided with a hollow for placing a slide glass having at least one biopolymer fixed thereon;

a sheet for fixedly placing a cover glass onto an inner bottom of the tray in the hollow, said cover glass being to be covered with the slide glass from above with a sample biopolymer solution sandwiched therebetween;

a case for accommodating the tray therein; and

a cap for sealing the tray within the case.

4. (Currently Amended) ~~A~~ The hybridization kit ~~device~~ according to claim 3, wherein the sheet is made of silicone.

5. (Currently Amended) ~~A~~ The hybridization kit ~~device~~ according to claim 3, wherein the longitudinal length of the sheet is generally equal to the length of the hollow.

6. (Currently Amended) ~~A~~ The hybridization kit ~~device~~ according to claim 3, wherein the sheet is made of silicone, and the longitudinal length of sheet is generally equal to the length of the hollow.

7. (Currently Amended) ~~A~~ The hybridization kit ~~device~~ according to claim 3, wherein the sheet has a guideline for defining the positioning of the cover glass.

8. (Currently Amended) ~~A~~ The hybridization kit ~~device~~ according to claim 3, wherein the sheet is made of silicone, and the sheet has a guideline for defining the positioning of the cover glass.

9. (Currently Amended) ~~A~~ The hybridization kit ~~device~~ according to claim 3, wherein the longitudinal length of the sheet is generally equal to the length of the hollow, and the sheet has a guideline for defining the positioning of the cover glass.

10. (Currently Amended) A hybridization kit ~~device~~, comprising:

a tray having a hollow for placing a slide glass having at least one biopolymer fixed thereon, the tray having a convex protruding from an inner bottom of the tray into the hollow, said convex being fixedly placed with a cover glass thereon, said cover glass being covered with the slide glass from above with a sample biopolymer solution sandwiched therebetween;

a case for accommodating the tray therein; and

a cap for sealing the tray within the case.

11. (Currently Amended) ~~A~~ The hybridization kit ~~device~~ according to claim 10, wherein the convex has a cover glass positioning groove for determining the position for placing the cover glass.

12. (New) A device for conducting hybridization assays, comprising:

a tray defining a hollow, the hollow having an inner bottom;

a sheet configured to receive a cover glass and configured to be positioned on the inner bottom of the hollow;

a slide glass coupled with a biopolymer and positioned adjacent to the cover glass;

a case configured and dimensioned to receive the tray; and

a cap configured and dimensioned to couple with the case.

13. (New) A device for conducting hybridization assays, comprising:

a tray defining a hollow, the tray having a convex inner bottom;

wherein, the convex is configured and dimensioned to receive a cover glass;

a slide glass coupled with a biopolymer and positioned adjacent to the cover glass;

a case configured and dimensioned to receive the tray; and

a cap configured and dimensioned to couple with the case.